

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P844429

Luminaire Tested: **LD6C35DE010B50 EU6C35B50 6LBMLI**

Issue Date: 2/17/2023



Test Information

Test Method: LM-79-08
Report Number: P844429
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205108)
Test Lab: INNOVATION CENTER
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C35DE010B50 EU6C35B50 6LBMLI
Description:
Light Source: -
Ballast/Driver:

Summary

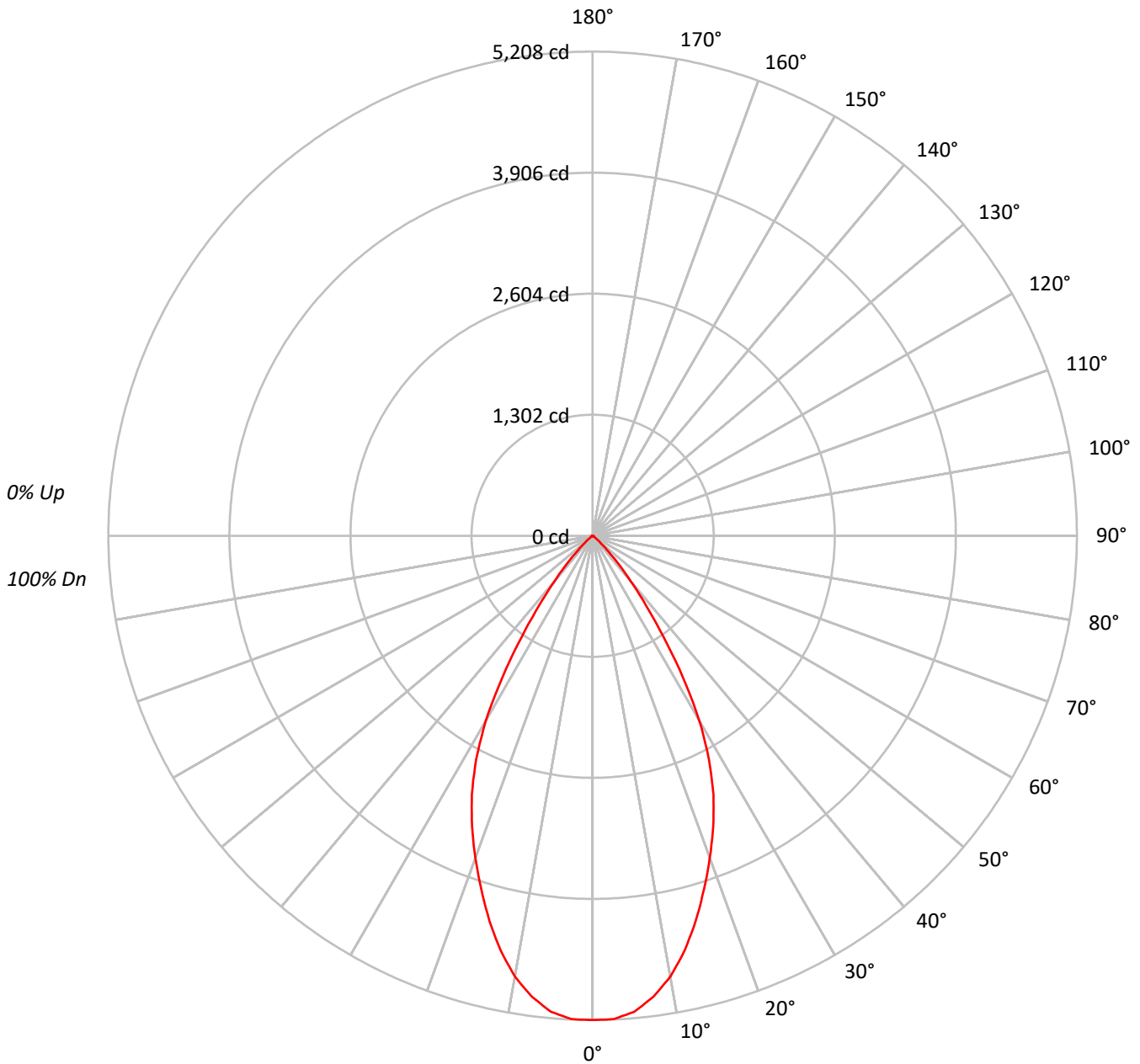
Lumens per Lamp: N/A
Luminaire Lumens: 4161.8 lumens
Efficiency: N/A
Efficacy: 99.8 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.85
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 41.7
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

TEST NUMBER: P844429

CATALOG NUMBER: LD6C35DE010B50 EU6C35B50 6LBMLI

Luminous Intensity Polar Plot





TEST NUMBER: P844429

CATALOG NUMBER: LD6C35DE010B50 EU6C35B50 6LBMLI

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94			
2	108	103	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88			
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	85	83	82			
4	98	91	85	81	96	89	84	81	87	83	80	85	82	79	83	80	78	76			
5	93	85	79	75	91	84	79	75	82	78	74	81	77	73	79	76	73	71			
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67			
7	84	75	69	65	83	75	69	65	73	68	65	72	68	64	71	67	64	63			
8	80	71	65	61	79	70	65	61	69	64	61	68	64	60	67	63	60	59			
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			
10	73	64	58	54	72	63	58	54	62	57	54	62	57	54	61	57	54	52			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	285520
5°	282802
10°	267981
15°	243299
20°	214989
25°	185866
30°	145295
35°	89095
40°	45729
45°	18172
50°	5902
55°	2036
60°	1743
65°	1388
70°	866
75°	1144
80°	0
85°	0



TEST NUMBER: P844429

CATALOG NUMBER: LD6C35DE010B50 EU6C35B50 6LBMLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	479.8	11.5
10°-20°	1194.5	28.7
20°-30°	1388.6	33.4
30°-40°	850.3	20.4
40°-50°	211.2	5.1
50°-60°	24.7	0.6
60°-70°	9.2	0.2
70°-80°	3.5	0.1
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3062.9	73.6
0°-40°	3913.2	94.0
0°-60°	4149.1	99.7
0°-90°	4161.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4161.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5208	
5°	5139	480
15°	4287	1195
25°	3073	1389
35°	1331	850
45°	234	211
55°	21	25
65°	11	9
75°	5	4
85°	0	0
90°	0	



TEST NUMBER: P844429

CATALOG NUMBER: LD6C35DE010B50 EU6C35B50 6LBMLI

CANDELA DISTRIBUTION (FULL):

	0°
0°	5208.3
2.5°	5202.9
5°	5139.1
7.5°	5000.6
10°	4814.1
12.5°	4569.2
15°	4286.9
17.5°	3983.5
20°	3685.2
22.5°	3386.9
25°	3072.8
27.5°	2710.7
30°	2295.3
32.5°	1810.7
35°	1331.3
37.5°	937.2
40°	639.0
42.5°	399.4
45°	234.4
47.5°	133.2
50°	69.2
52.5°	32.0
55°	21.3
57.5°	15.9
60°	15.9
62.5°	10.7
65°	10.7
67.5°	5.4
70°	5.4
72.5°	5.4
75°	5.4
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)